

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (original): A transmission configuration, comprising:

a baseband component for processing a baseband signal, said baseband component having an input/output configured for digital data transmission;

a radio-frequency component for conversion of the baseband signal to a radio-frequency signal to be transmitted, said radio-frequency component having an input/output for digital data transmission and being connected, via an interface, to said input/output of said baseband component for digital transmission of payload data to be transmitted and of configuration data for configuration of said radio-frequency component;

a first digital multiple conductor connection for transmitting the payload data connected between said input/output of said baseband component and said input/output of said radio-frequency component; and

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a second digital multiple conductor connection for transmitting the configuration data connected between said input/output of said baseband component and said input/output of said radio-frequency component;

said first digital multiple conductor connection including:

a data line for serial data transmission of payload data;

a bit clock line for transmission of a clock signal, with in each case one bit of the data line being associated with in each case one clock period; and

a word clock line for indicating a start of transmission of a sequence of bits on said data line.

Claim 2 (original): The transmission configuration according to claim 1, wherein said radio-frequency component is configured for mobile radio transmission.

Claim 3 (original): The transmission configuration according to claim 1, wherein said second digital multiple conductor connection comprises:

a data line for serial data transmission of the configuration data;

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a bit clock line for transmitting a clock signal, with one clock period each associated with one bit each on the data line; and

a selection line for activating the radio-frequency component.

Claim 4 (original): The transmission configuration according to claim 1, which comprises a synchronization line, for synchronization of the payload data in said radio-frequency component, connected between said input/output of said baseband component and said input/output of said radio-frequency component.

Claim 5 (original): The transmission configuration according to claim 1, wherein said input/output of said baseband component and said input/output of said radio-frequency component are serial data transmission interfaces.

Claim 6 (original): The transmission configuration according to claim 1, wherein said input/output of said baseband component and said input/output of said radio-frequency component are serial data transmission interfaces are configured for unidirectional data transmission from said baseband component to said radio-frequency component.

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Claim 7 (original): The transmission configuration according to claim 1, which further comprises a control line for driving a power amplifier for amplification of the radio-frequency signal connected between said baseband component and said radio-frequency component.

Claim 8 (original): A transmission configuration,
comprising:

a baseband component for processing a baseband signal, said baseband component having an input/output configured for digital data transmission;

a radio-frequency component for conversion of the baseband signal to a radio-frequency signal to be transmitted, said radio-frequency component having an input/output for digital data transmission and being connected, via an interface, to said input/output of said baseband component for digital transmission of payload data to be transmitted and of configuration data for configuration of said radio-frequency component;

a first digital multiple conductor connection for transmission of the payload data connected between said input/output of said baseband component and said input/output of said radio-frequency component; and

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a second digital multiple conductor connection for transmission of the configuration data connected between said input/output of said baseband component and said input/output of said radio-frequency component;

said second digital multiple conductor connection including:

a data line for serial data transmission of the configuration data;

a bit clock line for transmitting a clock signal with one clock period each associated with one bit each on the data line; and

a selection line for activating said radio-frequency component.

Claim 9 (original): The transmission configuration according to claim 8, wherein said radio-frequency component is configured for mobile radio transmission.

Claim 10 (original): The transmission configuration according to claim 8, which comprises a synchronization line, for synchronization of the payload data in said radio-frequency component, connected between said input/output of said baseband component and said input/output of said radio-frequency component.

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Claim 11 (original): The transmission configuration according to claim 8, wherein said input/output of said baseband component and said input/output of said radio-frequency component are serial data transmission interfaces.

Claim 12 (original): The transmission configuration according to claim 8, wherein said input/output of said baseband component and said input/output of said radio-frequency component are serial data transmission interfaces are configured for unidirectional data transmission from said baseband component to said radio-frequency component.

Claim 13 (currently amended): A transmission configuration, comprising:

a baseband component for processing a baseband signal, said baseband component having an input/output configured for digital data transmission;

a radio-frequency component for conversion of the baseband signal to a radio-frequency signal to be transmitted, said radio-frequency component having an input/output for digital data transmission and being connected, via an interface, to said input/output of said baseband component for digital transmission of payload data to be transmitted via a first

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multiple conductor connection, and of configuration data for
configuration of said radio-frequency component via a second
multiple conductor connection, separate from said first
multiple conductor connection;

a digital interruption request line connected between said
baseband component and said radio-frequency component.

Claim 14 (original): The transmission configuration
according to claim 13, wherein said digital interruption
request line is configured for initiating resumption of the
data transmission of said baseband component through said
radio-frequency component.

Claim 15 (original): The transmission configuration
according to claim 13, wherein said radio-frequency component
is configured for mobile radio transmission.

Claim 16 (original): The transmission configuration
according to claim 13, which further comprises a control line
for driving a power amplifier for amplification of the radio-
frequency signal connected between said baseband component and
said radio-frequency component.

Claim 17 (currently amended): In a mobile radio system
having a base station and at least one mobile station, a

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mobile station including the transmission configuration
according to claim 1 ~~in the mobile station~~ for communication
with the base station.

Claim 18 (currently amended): In a mobile radio system
having a base station and at least one mobile station, a
mobile station including the transmission configuration
according to claim 8 ~~in the mobile station~~ for communication
with the base station.

Claim 19 (currently amended): In a mobile radio system
having a base station and at least one mobile station, a
mobile station including the transmission configuration
according to claim 13 ~~in the mobile station~~ for communication
with the base station.

Claim 20 (new): The transmission configuration of claim 1,
wherein the conductors of said first digital multiple
conductor connection are unidirectional data lines
transmitting from said baseband component to said radio-
frequency component.